

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 100110242-1

Inventor(s): Edward A Hill et al

Confirmation No.: 6734

Application No.: 10/601264

Examiner: Sheela C Chawan

Filing Date: Jun 20, 2003

Group Art Unit: 2624

Title: Optical Object Detector

Mail Stop  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT**

Transmitted herewith is/are the following in the above-identified application:

- ☐ Response/Amendment ☐ Petition to extend time to respond  
☐ New fee as calculated below ☐ Supplemental Declaration  
☐ No additional fee  
☒ Other Petition to withdraw from issue - Issue fee not paid (37 CFR 1.313) Fee\$ 130

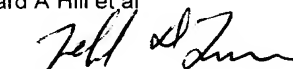
CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$50	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$210	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$370	\$ 0
EXTENSION FEE	<input type="checkbox"/> 1st Month \$120	<input type="checkbox"/> 2nd Month \$460	<input type="checkbox"/> 3rd Month \$1050	<input type="checkbox"/> 4th Month \$1640		\$ 0
OTHER FEES						\$ 130
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 130

Charge \$ 130 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Edward A Hill et al

By:



Jeff D. Limon

Attorney/Agent for Applicant(s)

Reg No. : 45,418

Date : 11/6/2007

Telephone : 541 715 5979

Practitioner's Docket No. 100110242-1**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In re application of: **Edward A Hill**Application No.: **10/601,264** Group No.: **2624**Filed: **June 20, 2003**For: **Optical Object  
Detector**Examiner: **Sheela C Chawan**Date of mailing "Notice of Allowance and  
Base Issue Fee Due" **10/16/2007**

Batch No. \_\_\_\_\_

**Commissioner for Patents****P.O. Box 1450****Alexandria, VA 22313-1450****Attention: Group Director Group 2624**

**NOTE (HAND CARRIED):** "Petitions to Withdraw from Issue may be hand carried to the Office of Petitions on the 7th floor of the Madison West building, 600 Dulany Street, Alexandria VA 22314. At the guard station in Madison West (near the elevators), the security guard should call the Office of Petitions at 571 272 3282 for delivery assistance. Hand carried papers will be accepted on business days between the hours of 8:30 a.m. until 3:45 p.m." See "New Patents Central FAX Number and Updated Lists of Exceptions to the Centralized Delivery and Facsimile Transmission Policy for Patent Related Correspondence", 1296 OG 76, July 12, 2005.

**NOTE (FAX):** Petitions to Withdraw from issue: 571-273-0025 facsimile number. See "New Patents Central FAX Number and Updated Lists of Exceptions to the Centralized Delivery and Facsimile Transmission Policy for Patent Related Correspondence", 1296 OG 76, July 12, 2005.

**WARNING:** Petitions to Withdraw from Issue sent to the Central FAX Number should be marked "Special Processing Submission". See "New Patents Central FAX Number and Updated Lists of Exceptions to the Centralized Delivery and Facsimile Transmission Policy for Patent Related Correspondence", 1296 OG 76, July 12, 2005.

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***

(When using Express Mail, the Express Mail label number is **mandatory**;  
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

- ☐ deposited with the United States Postal Service in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
**37 C.F.R. § 1.8(a)**

I hereby certify that this document is being  
transmitted to the United States Patent and  
Trademark Office via electronic filing.

Date of Transmission:

Date: 11/6/07Debbie Scherpen

Signature

Debbie Scherpen

(type or print name of person certifying)

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Petition for Withdrawal from Issue—Issue Fee Not Paid (37 C.F.R. § 1.313) [9-33.1]—page 1 of 3)

**PETITION FOR WITHDRAWAL FROM ISSUE—ISSUE FEE NOT PAID**  
**(37 C.F.R. § 1.313)**

*NOTE: "Petitions to have an application withdrawn from issue before payment of the issue fee should be directed to the Technology Center (TC) Director to which the application is assigned (see M.P.E.P. § 1002.02(c))" M.P.E.P. § 1308, 8th Edition.*

*NOTE: A petition under § 1.313 is not required if a request for continued examination under § 1.114 is filed prior to the payment of the issue fee.*

*NOTE: A petition under 1.313 is not effective to withdraw the application from issue unless it is actually received and granted by the appropriate official before the date of issue. 37 C.F.R. § 1.313(d).*

**PETITION**

1. Applicant hereby petitions for the withdrawal of this application from issue.

**PATENT ISSUE FEE**

2. The issue fee for this case has not been paid.

**REASON(S) FOR WITHDRAWAL REQUEST**

*NOTE: The petition for withdrawal from issue must include a showing of good and sufficient reasons why withdrawal of the application is necessary. 37 C.F.R. § 1.313(a).*

3. The reason for the request for withdrawal from issue is:

The Information Disclosure Statement submitted on August 9, 2007 has not been considered by the Examiner. Applicant requests that the application be withdrawn from issue so that the Information Disclosure Statement can be considered.

For your convience, the previously-submitted Information Disclosure Statement has been attached.

Further details as to the reason(s) for this withdrawal request are set forth on the attached \_\_\_\_\_ sheet(s).

**4. Amendment**

*NOTE: Any amendment accompanying a petition to withdraw an application from issue must comply with the requirements of § 312 (Amendment after allowance) 37 C.F.R. § 1.313(a).*

☐ Accompanying this petition is an amendment.

**PETITION FEES**

**5.** The fee set forth in § 1.17(h) (\$130.00) required by 37 C.F.R. § 1.313(a) is paid as follows:

☐ Attached is a ☐ check ☐ money order in the amount of \$130.00

☒ Authorization is hereby made to charge the amount of \$130.00

☒ to Deposit Account No. 08-2025

☐ to Credit card as shown on the attached credit card information authorization form PTO-2038.

**WARNING:** Credit card information should **not** be included on this form as it may become public.

☒ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

☐ A duplicate of this paper is attached.

Reg. No.: **45,418**

Tel. No.: ( **541** ) **715-5979**

Customer No.: **022879**

  
SIGNATURE OF PRACTITIONER

**Jeff D. Limon**

(type or print name of practitioner)

**1000 NE Circle Blvd. M/S 422B**

P.O. Address  
**Corvallis, OR 97330**

Plus 8 Added Pages

(Petition for Withdrawal from Issue—Issue Fee Not Paid (37 C.F.R. § 1.313) [9-33.1]—page 3 of 3 )

O:Auto-reply fax to 208 396 3958 COMPANY:

## Auto-Reply Facsimile Transmission



TO:

Fax Sender at 208 396 3958

Fax Information

Date Received:

8/9/2007 2:52:27 PM [Eastern Daylight Time]

Total Pages:

24 (including cover page)

**ADVISORY:** This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received  
Cover  
Page

=====&gt;

AUG-09-2007 13:55		IP	208 396 3958 P 01/24
RE: PATENT APPLICATION ATTORNEY DOCKET NO. 100110242-1			
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE			
INVENTOR(S): Edward A. Hill et al	CONFIRMATION NO.: 6734		
SERIAL NO.: 10/601264	GROUP ART UNIT: 2624		
FILED: June 20, 2003	EXAMINER: Sheela C. Chawan		
TITLE: Optical Object Detector			
CERTIFICATE OF FACSIMILE TRANSMISSION			
I hereby certify that the following papers are being transmitted via facsimile to the Patent and Trademark Office (Fax No. 571-273-8300) on the date shown below.			
1. This Certificate of Facsimile Transmission (1 pg)			
2. Information Disclosure Statement Transmittal (1 pg)			
3. Statement Under 37 CFR 1.97 (e) (1 pg)			
4. Form PTO/SB/08A (1 pg)			
5. Foreign References (20 pgs)			
Date of Facsimile: <u>August 9, 2007</u>			
Typed Name: <u>Jessica L. Fysek</u>			
Signature: <u>Jessica L. Fysek</u>			
Number of Pages in Facsimile: <u>24</u>			
PAGE 1/24 * RCV DAT 8/9/2007 2:52:27 PM [Eastern Daylight Time] * SVR:USPTO-BF-XRF-20 * CHS:2739300 * CSD:208 396 3958 * DURATION (mm:ss):07:44			

RE: PATENT APPLICATION ATTORNEY DOCKET NO. 100110242-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): Edward A. Hill et al

CONFIRMATION NO.: 6734

SERIAL NO.: 10/601264

GROUP ART UNIT: 2624

FILED: June 20, 2003

EXAMINER: Sheela C. Chawan

TITLE: Optical Object Detector

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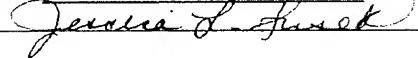
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4. Form PTO/SB/08A (1 pg)
5. Foreign References (20 pgs)

Date of Facsimile: August 9, 2007

Typed Name: Jessica L. Fusek

Signature 

Number of Pages in Facsimile: 24

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 100110242-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Edward A. Hill et al

Confirmation No.: 6734

Application No.: 10/601264

Examiner: Sheela C. Chawan

Filing Date: Jun 20, 2003

Group Art Unit: 2624

Title: Optical Object Detector

Mail Stop Amendment  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.97 (b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first action on the merits; whichever occurs last)
- ☒ under 37 CFR 1.97 (c), together with either a:  
☒ Statement under 37 CFR 1.97 (e), or  
☐ a \$180 fee under 37 CFR 1.17 (p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d), together with a:  
☐ Statement under 37 CFR 1.97 (e)(1) or (2), and  
☐ a \$180 fee set forth in 37 CFR 1.17 (p)  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$ 0.00. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

Applicant(s) submit herewith form PTO/SB/08B - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO/SB/08B, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an english language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO/SB/08B and is enclosed.

It is requested that the information disclosed herein be made of record in this application.

- ☐ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
Commissioner for Patents, Alexandria, VA 22313-1450

Date of Deposit:

OR

- ☒ I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number (571) 273-8300

Date of facsimile: 8-9-2007

Typed Name: Jessica L. Fusck

Signature: Jessica L. Fusck

Respectfully submitted,

Edward A. Hill et al

By

Jeff D. Limon  
Jeff D. Limon

Attorney/Agent for Applicant(s)

Reg No.: 45,418

Date: 8/4/2007

Telephone: 541 715 5979

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 100110242-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Edward A. Hill et al

Confirmation No.: 6734

Application No.: 10/601264

Examiner: Sheela C. Chawan

Filing Date: Jun 20, 2003

Group Art Unit: 2624

Title: Optical Object Detector

Mail Stop Amendment  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR 1.97 (e)

The undersigned hereby certifies that either:

☒ Each item of information contained in the Information Disclosure Statement was cited for the first time in any communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or

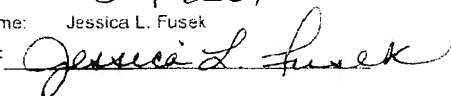
☐ No item of information contained in the Information Disclosure Statement

-- was cited in a communication from a foreign patent office in a counterpart foreign application, and

-- to the knowledge of the undersigned, after making reasonable inquiry, was known to any designated in 37 CFR 1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

☐ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450  
Date of Deposit:

OR

☒ I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number (571) 273-8300.  
Date of facsimile: 8-9-2007  
Typed Name: Jessica L. Fusek  
Signature: 

Respectfully submitted,

Edward A. Hill et al

By 

Jeff D. Limon

Attorney/Agent for Applicant(s)

Reg No.: 45,418

Date 8/9/2007

Telephone: 541 715 5979

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/601264
Filing Date	June 20, 2003
First Named Inventor	Edward A. Hill
Art Unit	2624
Examiner Name	Sheela C. Chawan
Attorney Docket Number	100110242-1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>2</sup> "Number" "Kind Code <sup>3</sup> (if known)			
		JP 11-266343	09-28-1999	Canon Inc.	
		JP 62-296662	12-23-1987	Matsushita Electric Ind	
		JP 09-037029	02-07-1997	NEC Corp	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number **11266343 A**(43) Date of publication of application: **28.09.99**

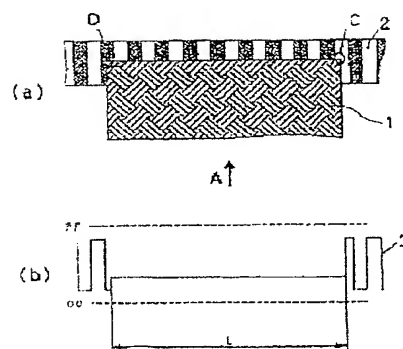
(51) Int. Cl.

**H04N 1/04****B65H 5/36****G03G 15/00**(21) Application number: **10068535**(71) Applicant: **CANON INC**(22) Date of filing: **18.03.98**(72) Inventor: **KAWASAKI SHIGERU****(54) IMAGE READER, ORIGINAL RETAINING SHEET  
AND ORIGINAL DETECTION METHOD****(57) Abstract:**

**PROBLEM TO BE SOLVED:** To provide the image reader that detects an original independently of a density of an original image and to provide the original retaining sheet and the original detection method.

**SOLUTION:** A white-black repetitive pattern in a main scanning direction as shown in Figure (a) is applied to an original side of an original retaining sheet 2. When an original 1 comes across a position of the original retaining sheet 2, an output waveform of a sensor changes from a waveform corresponding to the pattern of the original retaining sheet 2 into a waveform corresponding to an image of the original 1 as shown in Figure (b), then the presence of the original is sensed through this change.

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(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number 62296662 A

(43) Date of publication of application: 23.12.87

(51) Int. Cl.

H04N 1/04

(21) Application number: 61140788

(22) Date of filing: 17.06.86

(71) Applicant: MATSUSHITA ELECTRIC IND CO LTD

(72) Inventor: TAMURA AKIHIRO  
TAKAMA KAZUO

(54) IMAGE READER

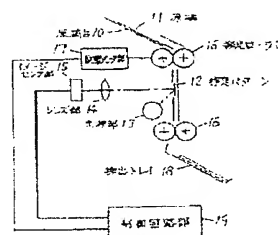
(57) Abstract:

PURPOSE: To simplify and miniaturize the constitution of the titled reader by detecting the presence/absence, head end, and tail end of an original with a reading position sensor.

CONSTITUTION: The original 11 is placed on an original platen 10, and an image sensor 15 reads a special pattern 12 to confirm the presence/absence of the original. Thereafter, the driving 17 of a roller 16 is controlled 19 to sequentially convey the originals 11. An original 11 is continuously conveyed until the image sensor 15 reads a pattern different from the specific pattern. After the time of reading the said pattern, the image sensor 15 reads image information from each scanning line while the original 11 is conveyed stepwise. At a time when the image sensor 15 reads the special pattern again as image information, the tail end of the original 11 is detected and the reading action is ended. Thereafter, the original 11 is conveyed continuously again by the roller 16, and exhausted to a tray 18. With such constitution, a conventionally needed reading position sensor for detecting the position of an original is made unnecessary, hence the coZ:14: lens part, 13: light source part, 16: carrying roller part,

19: control circuit part, 17: driving motor part, 18: exhausting tray.

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(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 09037029 A

(43) Date of publication of application: 07.02.97

(51) Int. Cl. H04N 1/04  
G03B 27/50  
H04N 1/00

(21) Application number: 07189011

(71) Applicant: NEC CORP

(22) Date of filing: 25.07.95

(72) Inventor: IIDA KAZUSHI

(54) ORIGINAL READER

an input/output control part 8.

(57) Abstract:

COPYRIGHT: (C)1997,JPO

**PROBLEM TO BE SOLVED:** To provide an original reader with which information on the top and rear end of an original and an original size, etc., can be easily obtained without mounting plural sensors.

**SOLUTION:** At an original reading position 1Aa, a reference reflector 21 for correction provided with a reference reflection plane 21a for shading correction is mounted through an original feeding path 1A while being confronted to an optical system 5B and on the reference reflection plane 21a of this reference reflector 21 for correction, stripe patterns with an area wider than the width of the original as an object or discontinuous patterns K based on this area are formed. Then, a form information processing part 9 for inputting the proscribed information outputted from an original reading part 5 and calculating output timing information of the passage of the top end edge and rear end edge of the original and the form width information of the original based on different reflection information from the reference reflection plane 21a caused by the presence/absence of the original is provided together at

